

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M97449
Date Received: 11/10/05
Date Extracted: 11/10/05
Date Analyzed: 11/10/05
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: PO# M97449, F&BI 511110
Lab ID: 511110-01 10x
Data File: 511110-01 10x.057
Instrument: ICPMS1
Operator: btb

Elements:	Concentration ug/L (ppb)
Chromium	1,520
Nickel	1,260
Copper	1,460
Zinc	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank
Date Received: NA
Date Extracted: 11/10/05
Date Analyzed: 11/10/05
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: PO# M97449, F&BI 511110
Lab ID: I5-313 mb
Data File: I5-313 mb.035
Instrument: ICPMS1
Operator: btb

Elements:	Concentration ug/L (ppb)
Chromium	<10
Nickel	<10
Copper	<10
Zinc	<10

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/15/05

Date Received: 11/10/05

Project: Metro Self Monitor, PO# M97449, F&BI 511110

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR METALS BY EPA METHOD 200.8

Laboratory Code: 511095-12 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	2.75	3.30	a	0-20
Nickel	ug/L (ppb)	1.33	1.64	a	0-20
Copper	ug/L (ppb)	59.9	54.1	10	0-20
Zinc	ug/L (ppb)	1,420	1,470	3	0-20

Laboratory Code: 511095-12 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	2.75	83	50-150
Nickel	ug/L (ppb)	20	1.33	101	50-150
Copper	ug/L (ppb)	20	59.9	85	50-150
Zinc	ug/L (ppb)	50	1,420	b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	106	70-130
Nickel	ug/L (ppb)	20	101	70-130
Copper	ug/L (ppb)	20	118	70-130
Zinc	ug/L (ppb)	50	96	70-130

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
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FAX: (206) 283-5044
e-mail: fbi@isomedia.com

November 15, 2005

DUPLICATE COPY

INVOICE # 05ACU1115-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M97449, F&BI 511110 - Results of testing
requested by Gerry Thompson for material submitted on November 10, 2005.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 200.8 @ \$80 per sample \$ 80.00

Amount Due \$ 80.00

FEDERAL TAX ID #

(b) (6)

511110

SAMPLE CHAIN OF CUSTODY

CM 11-10-05

AI 4

Send Report To

Company

Address

City, State, ZIP

Phone #

Fax #

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
M97449	01	11/10/05	11:15	H2O	1											

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Received by:

Relinquished by:

Received by:

G. Thompson
Nhan PhanACE
FBI11/10/05
11:10pm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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November 15, 2005

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

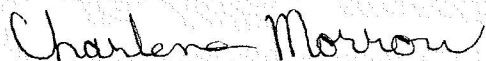
Dear Mr. Thompson:

Included are the results from the testing of material submitted on November 10, 2005 from the Metro Self Monitor, PO# M97449, F&BI 511110 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow
Chemist

Enclosures
ACU1115R.DOC